



专注全程吸附印刷机+糊箱联动线

Focus on Vacuum Transfer Flexo Printer + Inline Folder Gluer



高新技术企业
High-tech Enterprise

广东拓品智能机械科技有限公司

Guangdong Toprint Machinery Co., Ltd

地址：佛山市南海区狮山镇兴业北路狮北根溪村旁冯永国厂区车间二

Add: 2nd of Feng Yongguo Plant, Xingye North Rd, Shishan Town, Nanhai District, Foshan City, Guangdong Province.

电话 / Tel: +86-0757-86684812 传真 / Fax: +86-0757-86684810

邮箱 / Email: sales@gd-toprint.com toprint@gd-toprint.com

info@gd-toprint.com

网址 / Web: www.gd-toprint.com



初心不止、匠心所至；
开拓创新、精品求精、广东拓品！

Keep the initial heart, and the heart of the craftsman;
Pioneering and Innovation, Excelsior, GD.Toprint !



公司简介 COMPANY PROFILE

广东拓品智能机械科技有限公司是专业的纸箱包装机械制造商，提供瓦楞纸板水墨印刷、开槽、模切、折叠粘箱自动化联动线，印后等生产设备。

公司位于工业基础雄厚、加工配套齐全的珠三角工业带佛山市南海区狮山镇，拥有多年的生产制造经验和技能，并且在服务客户的过程中不断累积和总结，熟知每一个工业生产流程，以此为技术基础，结合公司持续不断的研发投入，现拥有多项发明，实用新型及外观专利。本着诚信务实，持续创新，加强管理，完善服务，质量第一，品牌至上的原则，服务于广大客户。

公司主力产品包括：全程吸附式全自动高速水墨印刷开槽模切机；全自动高速水墨印刷开槽模切糊箱联动线；可选配组合印刷、烘干、上油、伺服模切；自动上料机、震荡清废机、自动点数叠纸机等自动化纸箱配套生产设备并可按客户要求研发制造纸箱印刷设备。

公司谋求与客户共同发展，客户的需求就是我们的追求，我们将以优质的产品、良好的服务以满足客户的需求。产品实行终身服务制，长期供应设备零配件等售后项目。

服务承诺：紧急故障 48 小时内到达（国内）、售前售后咨询 8 小时内回复。

Guangdong Toprint Machinery Co.,Ltd is a professional manufacturer of Carton Box Making Machines, providing Flexo Printer Slotter Die-cutter Inline Folder Gluer & Counter Ejector and etc... Toprint is located in Shishan Town, Nanhai District, Foshan City, a Pearl River Industrial Area with strong industrial foundation and complete processing. We have accumulated a lot of experience and technology in the process of production and serving customers, we are familiar with each industrial production process, takes this as the technical basis, and the continuous investment on R & D, Now has a number of inventions, utility models and appearance patents. in line with the principle of Honesty & Pragmatism, Continuous Innovation, Strengthening Management, Consummating Service, Quality First, Brand Oriented, to Serve the all customers.

Toprint Main Products: Vacuum Transfer type Fully automatic Flexo Printer Slotter Die-cutter Auto Stacker; Fully automatic flexo Printer Slotter Die-cutter Inline Folder Gluer & Counter Ejector; Optional for Dry-well Unit, Varnish Unit, Servo Control Die-cutting Unit; Automatic Pre-feeder, Vibrator, Automatic Counter Stacker and other Carton Related Machines, can also custom made according to customer's requirements.

Toprint seeks to develop together with customers, customer demand is our pursuit, and we will meet the needs of customers with high-quality products and good service. Products carry out lifelong service, long-term supply of spare parts and after-sales service and etc...

Service commitment: 48 hours arriving of emergency failure (domestic), reply within 8 hours of pre-sale and after-sale consultation.

产品系列 PRODUCT SERIES

✿ TP-CR 复兴系列：全程吸附自动高速印刷联动生产线（下落式）（机型：0617, 0920, 0924, 1224, 1228, 1424, 1428, 1628）

TP-CR Series: Vacuum Transfer Automatic High-speed Flexo Folder Gluer (Top Loading Type) (Model: 0617, 0920, 0924, 1224, 1228, 1424, 1428, 1628)

✿ TP-CR 复兴系列：全程吸附自动高速印刷开槽模切震荡清废叠纸机（机型：0617, 0920, 0924, 1224, 1228, 1424, 1428, 1628, 1632, 1636）

TP-CR Series: Vacuum Transfer Automatic High-speed Flexo Printer Slotter Die-cutter Vibrator & Auto Stacker (Model: 0617, 0920, 0924, 1224, 1228, 1424, 1428, 1628, 1632, 1636)

✿ TP-CRH 大尺寸系列：全自动下印式印刷开槽模切震荡清废叠纸机（机型：2545）

TP-CRH JUMBO Series: Automatic Bottom Printer Slotter Die-cutter Vibrator & Auto Stacker (Model: 2545)

关于我们 ABOUT US

我们不一样，用心、专业、专注于每一台设备！

We make difference, Dedicated, Professional, Focus on Each Machine!

我们不一样，诚信拓品，让每一位客户都满意！

We make difference, Honestly Toprint, let every Customer being satisfied!

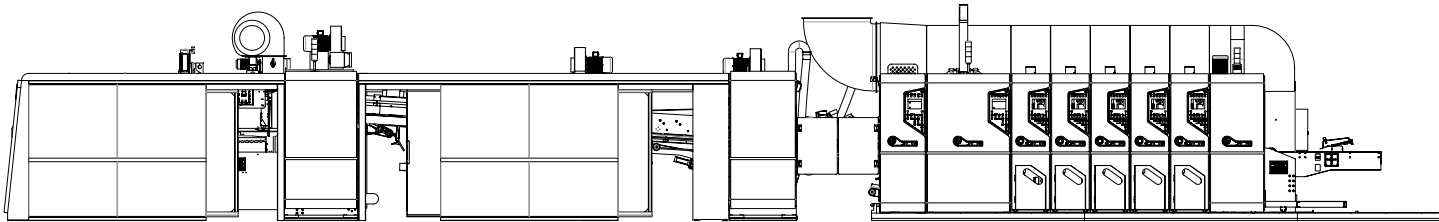
我们不一样，开拓创新，精品求精，广东拓品！

We make difference, Pioneering and Innovative, Excelsior, GD.Toprint!

我们不一样，复兴、和谐系列带你我共创辉煌！

We make difference, CR CHR Series take us to create Brilliant!



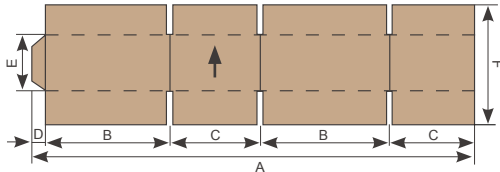


产品特点 Features

- 印刷折箱自动化联动控制，主要操控功能采用订单数据输入式或订单管理式自动调整。
- 最高速度 350 张 / 分钟。
- 下落式收纸结构。
- 多组德国 Bosch Rexroth 电机伺服电机协调动作，完成计数堆叠，单垛数量 10-30 个数量可调，每分钟最多可分接 35 垛。
- 标配美国喷胶系统和滚轮式上胶系统。
- 主输送带采用日本 NITTA。
- 可任意搭配自动上料机及全自动打包机，整线 2-4 人操作。
- Folder Gluer Inline Control, the main function can be adjusted by data input or order management system.
- Max. Speed: 350sheets/min.
- Top Loading Counter Ejector.
- Multi-groups of Germany Bosch Rexroth servo motors coordinate action Single stacks quantities can be from 10-30 cartons, and max can reach to 35 stacks per minute.
- Standard equipped with both Valco Gluing system and Gluing Wheel System.
- Japanese Nitta main conveyor belts.
- Can easy match with Pre-feeder or Automatic Strapping Machine, the whole line can be operated by 2-4 labors.

技术参数 Technical Parameter

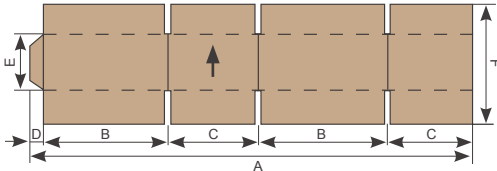
机型 Model	单位	0920	0924	1224	1228	1628
最高机械速度 Max. Speed	张 / 分钟 sheets/min	350	350	250	250	200
最大通纸规格 Max. Size (F×A)	mm	900×2100	900×2500	1200×2500	1200×2900	1600×2900
最小通纸规格 Min. Size 糊折箱部 Folder Gluer (F×A)	mm	280×760	280×760	310×760	310×760	400×780
最大规格 Max. Size (B+C)	mm	1030	1200	1200	1400	1400
最小规格 Min. Size 糊折箱部 (B+C)	mm	360	360	360	360	360
最大规格 Max. Size (B+D)	mm	1050	1050	1050	1050	1050





电脑中控台
Console

基于 Windows 系统
Windows Base System

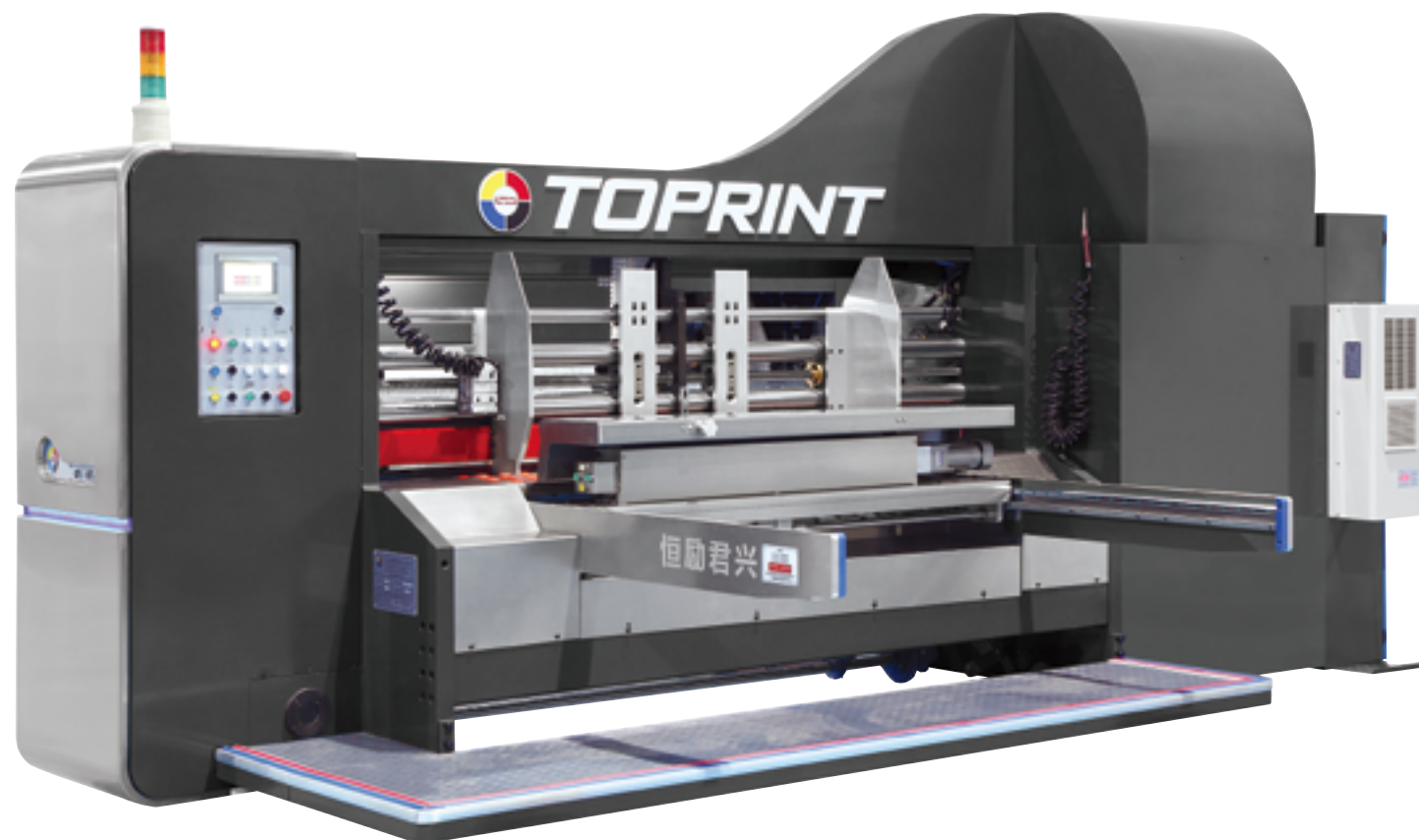


产品特点 Features

- 采用独立中控电脑（带鼠标键盘）操作配合各分部 PLC 及触摸屏进行自动化操作控制，全部操作功能实现数据输入式或者订单管理式自动调整，操作简单方便，换单快捷，可开放端口联网生产管理系统。
- 全部控制电器均采用国际一流品牌，稳定耐用，主控制电器箱设有工业恒温空调，各分部电器均设有防尘、散热装置，确保操控运行性能稳定可靠。
- 整机具备自动油路平衡系统和自动循环润滑系统。
- 所有主传动齿轮采用特殊进口材料，渗碳淬火，精度研磨，经久耐用。
- 采用真空吸附走纸，纸板适用度广，风箱风门可根据纸板规格自动调整，纸板套印更精准，并可节省调机时间及纸板原料。
- 机器内部视频监控生产，可实时观察内部印刷走纸。
- 可任意搭配自动上料机以提高自动化程度和减少劳动强度。
- Adopts independent Central Computer (with Keyboard & Mouse) match with PLC and Touch Screen in each Unit for automatic operation, all operation function can achieve automatic adjustment by data input or Order Management system, Easy to Operate, Fast Order Change, and can connect with Corrugator Line ERP System.
- All the Electronic Components are adopts International First Brand, Stable and Durable, the Main Control Box equipped with Industrial Constant Air Conditioner, Each Unit equipped with Anti-dust, Air Fan to ensure reliable and durable working performance.
- The whole machine equipped with Oil Balance and Automatic Circle Lubrication System.
- All the Main Transmission Gears adopt special imported material, carburizing and quenching, precision grinding, long life time and durable.
- Vacuum Transfer, widely applicable for different cardboard, the suction box will be combined together to ensure same pressure when machine is closed, which makes more accurate printing, and save adjusting time and cardboard.
- Internal video surveillance production, can check the cardboard transmit in any moment.
- Can easy match with Pre-feeder, which can increase the level of automation and decrease the labor intensity.

技术参数 Technical Parameter

参数 Technical Date	机型 Model	单位	0920	0924	1224	1228	1424	1428	1628	1632
最大机械速度 Top Speed		张 / 分钟 sheets/min	350	350	250	250	220	220	180	180
最大送纸尺寸 Max. Sheet Size		mm	900×2100	900×2500	1200×2500	1200×2900	1400×2500	1400×2900	1600×2900	1600×3300
最小送纸尺寸 Min. Sheet Size		mm	280×690	280×690	310×760	310×760	340×760	340×760	390×800	390×800
隔张送纸尺寸 Skip Feed Size		mm	1200×2100	1200×2500	1400×2500	1400×2900	1600×2500	1600×2900	1800×2900	1800×3300
最大印刷尺寸 Max. Printing Area		mm	890×1950	890×2350	1190×2370	1190×2800	1340×2370	1340×2770	1590×2770	1590×3170
最小开槽间隔 (B×C×B×C) (正刀) Slotting Space Normal Knife Min. Size		mm	160×160× 160×160	160×160× 160×160	150×150× 150×150	150×150× 150×150	150×150× 150×150	150×150× 150×150	160×160× 160×160	160×160× 160×160
最小开槽间隔 (B×C×B×C) (反刀) Slotting Space Reverse Knife Min. Size		mm	260×50× 260×50	260×50× 260×50	270×60× 270×60	270×60×2 70×60	270×60× 270×60	270×60× 270×60	270×70× 270×70	270×70× 270×70
最大开槽深度 Max. Slot Depth Size		mm	305	305	370	370	420	420	420	420
最小箱高 (E) Min. Box Height Size		mm	90	90	100	100	100	100	100	100
最大模切面积 (F×A) Max. Die-Cutting Size		mm	890×1950	890×2350	1190×2370	1190×2820	1340×2370	1340×2770	1600×2770	1600×3170
纸板厚度 Sheet Thickness		mm	1.5 -11	1.5 -11	1.5 -11	1.5 -11	1.5 -11	1.5 -11	1.5 -11	1.5 -11
标准印版厚度 Thickness Of Printing Plate		mm	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2



送纸部 - 伺服免压送纸

Feeding Unit - Servo control Non-crush Feeder

- 标配伺服免压，送纸精度高，不破坏纸板强度。
- 后段免压真空除尘系统，强力、高效清除纸板表面灰尘和纸屑。
- 可连续或隔张送纸。
- 主马达自动保护装置。
- 永磁风机变频控制真空气流及压力，可适应不同的纸板规格，节能且噪音小。
- Standard equipped with servo control Non-crush feeding system, high feeding accuracy and not damage the cardboard strength.
- Non-crush vacuum dust removing system in the rear side, strong, efficient removal the dust and scraps from the surface of cardboard.
- Continuously or Skipl feeding are both available.
- Main motor is equipped with self-protection device.
- Permanent magnet fan frequency conversion control the airflow and pressure, to suit for different size of cardboard, energy saving and low noise.



印刷部 - 上印 / 全程吸附传送

Printing Unit - Top Printing / Vacuum Transfer

- 全程真空吸附走纸，风箱风门可根据纸板规格，自动调整。
- 标配胶辊拭墨方式，亦可选配刮刀系统。
- 刮刀装置配快速回墨及清洗装置。
- 标配普通陶瓷辊，可选配 NOVA、ART 陶瓷辊。
- 卷轴挂板，棘轮锁紧装置，挂板对位更精准。
- 印刷相位伺服电机控制。
- 可选配小红外线烘干装置。(选配)
- 可在中控电脑监控走纸情况。
- Vacuum Transfer, can adjust Air Volume automatically according size of cardboard.
- Standard machine equipped with Rubber Roller, Chambered Doctor Blade is Optional.
- Chambered Doctor Blade is equipped with Fast Ink-return and Automatic Cleaning Device.
- Standard machine equipped with Normal Ceramic Roller, NOVA, ART Ceramic Roller for Optional.
- Reel Hanging Plate, Ratchet Locking Device to make sure hanging plate alignment is more accurate.
- Printing Register is Servo Control.
- Small IR Device is optional.
- Can check the cardboard transmit situation in Central Computer.



开槽部 - 八轴传动 Slotting Unit - 8 shafts Transmission

- ⚙️ 开槽八轴设计，预压—大小压线—单轴双刀或预压—压线—双轴双刀可供选择。
- ⚙️ 直线导轨配合滚珠丝杆横向调整结构，对刀精准，移动平稳。
- ⚙️ 横移、箱高、过纸间隙采用电脑及电动控制。
- ⚙️ 相位伺服电机控制，更加精密调整。
- ⚙️ 弹性角刀结构，适应不同厚度纸板。
- ⚙️ 开槽切角下刀可转动，保护上角刀，确保纸板钉条切断。
- ⚙️ 8 Shaft Transmissions, Pre-creasing, Big/Small Creasing, Single Shaft Slotting or Pre-creasing, Creasing, Dual Slotting is Optional.
- ⚙️ Linear Guiding structure combined with Ball Screw for Transverse adjustment to make sure accurate knife fitting, stable movement.
- ⚙️ Transverse, Box Height, Gaps adopts computerized or motorized adjusted.
- ⚙️ Slotting Register is Servo Control, more precision.
- ⚙️ Elastic Corner Cutter Structure to suitable for different thickness cardboard.
- ⚙️ The lower corner cutter can be rotated to protect the upper corner cutter, and ensure the stitching flap can be cut off.



模切部 - 独立变频电机驱动线速度补偿 Die-cutting Unit - Independent Frequency Motor for Line Speed Compensation

- ⚙️ 模切胶辊独立变频电机驱动，线速度补偿功能。可选配独立伺服驱动线速度补偿。
- ⚙️ 分段式胶垫，模切胶辊机械式凸轮换向 30mm 游动横向结构。
- ⚙️ 带胶垫自动修模装置。
- ⚙️ Die-cutting Rubber Cylinder is driven by independent frequency motor for line speed compensation. And Servo control is optional.
- ⚙️ Segmented Rubber Anvil and transverse moving is 30mm.
- ⚙️ With Automatic Grinding Device.

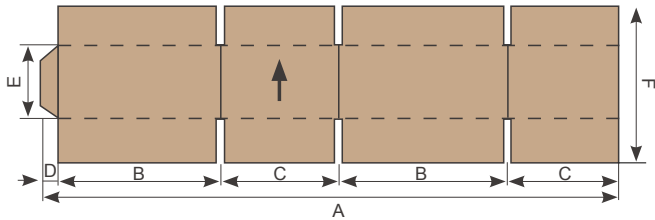


产品特点 Features

- 采用独立中控电脑（带鼠标键盘）操作配合各分部 PLC 及触摸屏进行自动化操作控制，全部操作功能实现数据输入式或者订单管理式自动调整，操作简单方便，换单快捷，可开放端口联网生产管理系统。
- 全部控制电器均采用国际一流品牌，稳定耐耐用，主控电器箱设有工业恒温空调，各分部电器器均设有防尘、散热装置，确保操控运行性能稳定可靠。
- 整机具备自动油路平衡系统和自动循环润滑系统。
- 所有主传动齿轮采用特殊进口材料，渗碳淬火，精度研磨，经久耐用。
- 送纸部采用伺服免压前缘送纸系统，纸板适用度广。
- 印刷部采用滚轮送纸下印印刷，拭墨方式全部选配刮刀系统。
- 开槽部采用八轴设计，预压 -- 大小压线 -- 单轴双刀或预压 -- 压线 -- 双轴双刀可供选择。
- 机器内部视频监控生产，可实时观察内部印刷刷走纸。
- 可任意搭配自动上料机以提高自动化程度和减少少劳动强度。
- Adopts Independent Central Control Computer (with mouse and keyboard) to match with the PLC and touch screen of each unit for automatic control. All operation functions realize automatic adjustment of data input or order management. The operation is simple and convenient, fast change order, and available to connect with ERP system.
- All Electrical Components are using international first-class brand, stable and durable. The main control electrical box is equipped with industrial constant temperature air-conditioner, and each unit electric box is equipped with dust-proof and heat-dissipating devices to ensure stable and reliable control and operation performance.
- The whole machine equipped with Oil Balance System and Automatic Lubrication System.
- All main transmission gears are made of special imported materials, carburized, quenched, and precision ground, durable and reliable.
- Feeding Unit adopts Servo Control Non-crush Feeding System, widely application.
- Printing Unit adopts roll to roll guide transfer, Bottom Printing, and standard equipped with Doctor Blade System.
- Slotting Unit adopts Eight-axis structure, pre-creasing--creasing--re-creasing--single shaft slotting or pre-creasing--creasing--dual shaft slotting as optional.
- Surveillance system is equipped in each Printing Unit, which is available to checking the cardboard transmission situation in real time.
- Can match with Automatic pre-feeder to increase the production capacity and reduce the labor intensity.

技术参数 Technical Parameter

参数 Technical Date	机型 Model	单位	2545
最大机械速度 Top Speed		张 / 分钟 sheets/min	120
经济生产速度 Economic Speed		张 / 分钟 sheets/min	80~100
最大送纸尺寸 Max.Sheet Size		mm	2500×4600
最小送纸尺寸 Min.Sheet Size		mm	750×900
隔张送纸尺寸 Skip Feed Size		mm	2800×4500
最大印刷尺寸 Max.Printing Area		mm	2500×4500
最小开槽间隔 (BXCXBXC) (正刀) Slotting Space Normal Knife Min.Size		mm	240
最小开槽间隔 (BXCXBXC) (反刀) Slotting Space Reverse Knife Min.Size		mm	120
最大开槽深度 Max.Slot Depth Size		mm	700
最小箱高 (E) Min.Box Height Size		mm	110
最大模切面积 (FXA) Max.Die-Cutting Size		mm	2400×4400
纸板厚度 Sheet Thickness		mm	1.5~16
标准印版厚度 Thickness Of Printing Plate		mm	7.2





震荡清废部

Vibrator

- 前接纸平台采用气动升降结构。
- 清废机前端配有中压风机，达到清废效果的同时，使纸板能贴紧输送皮带平稳输送。
- 每个震荡清废结构由独立电机传动，通过不同的抖动频率可实现更好的清废效果。
- 抖动皮带采用进口圆柱形高弹性皮带，不易损伤纸板。
- 带有半圆槽的圆柱形皮带轴可随意调整皮带位置，适应各种异形纸板的生需求，实现一开二、一开三的纸板分流。
- 清废机后端设有强力风机和毛刷装置，使抖动起来的废纸从纸板上落下，以达到清废的最佳效果。
- 清废机所有电机都由独立按钮控制，可以任意配合生需求单独操作。
- Adopted pneumatic lifting structure.
- Equipped with Medium Pressure Fan in the front of Vibrator to achieve the perfect waste remove, at the same time, the cardboard can be transmitted smoothly.
- Each vibrating device is driving by independent motor, which can get a better cleaning result through different vibrating frequencies.
- Vibrating belts adopts imported cylindrical high elastic belts to avoid damage of cardboard.
- The cylindrical belts shaft with semicircular groove can easy adjust the belt position to meet the needs of irregular cardboard, to achieve one to two, one to three pieces.
- The back end of Vibrator equipped with Strong Suction fans and Brushes, to remove the scraps from the cardboard during vibrating in order to achieve a perfect cleaning.
- All the motors are independent control, which can be operated separately in accordance with the production demand.



叠纸机（可加配点数功能）

Auto Stacker (Can add Counting Function)

- 平台升降采用液压系统控制，结构可靠，运行稳定。
- 可适应一开二、一开三的生产需求。
- 叠纸架可根据不同需求来实现自动与手动两种操作模式，前端接纸平台采用气动升降结构，方便前端印刷机拆装模板。
- 前端接纸配有压条压纸机构，使纸板在移动的过程中更平稳；后端配有太阳轮压纸机构，使纸板水平下落。
- 后接纸挡板可根据纸板的长度，由手轮调节前后距离，从而适应不同形状的纸板堆叠。
- Adopted pneumatic lifting structure, which is reliable and stable.
- And can adapt one to two, one to three pieces.
- According to different requirements can use Automatic or Manual mode, front splicing platform adopts pneumatic lifting structure, which makes more easy for die-cutting Unit change mould.
- The front end is equipped with strip pressing mechanism, which makes the cardboard transmit more stable; and the back end is equipped with sun wheel pressing mechanism to make the paperboard fall horizontally.
- The distance of splicing plate can be manual adjusted according to cardboard size.

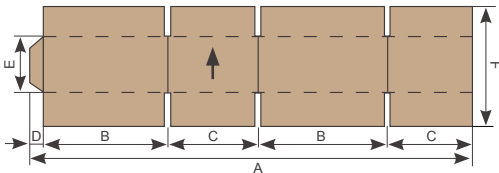


产品特点 Features

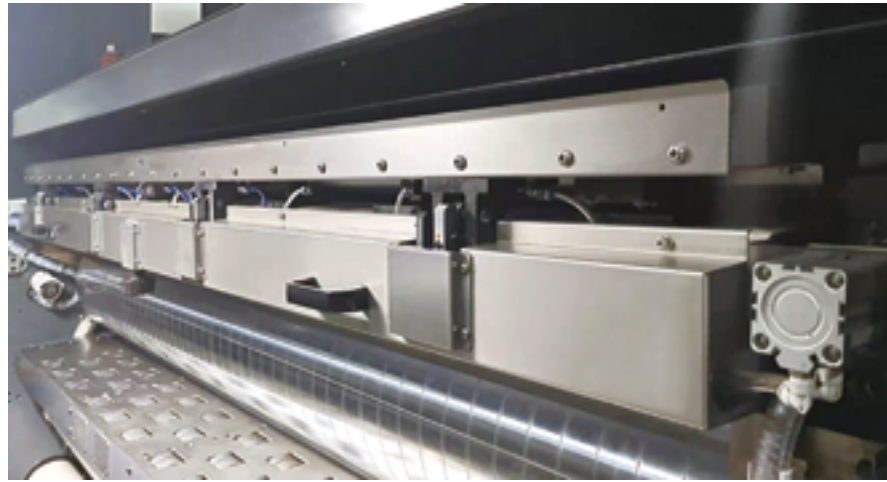
- 本机可实现与任意厂家的现有水性印刷机进行搭配成为印刷联动线，提高生产效率，节省人工和场地。
- 本机采用下折糊箱方式（下落式），配合上印机使用。印刷折箱自动化联动控制，主要操作功能采用订单数据输入式或订单管理式自动调整。
- 最高工作速度 350 张 / 分钟、产能大，人工成本低，大大提高生产效率。
- 主要动作功能采用 7 组伺服马达控制完成。速度快、精度高、调节极为简便。
- 糊折箱联动线采用吊篮式收纸机构，配备两套上胶系统：美国阀科喷胶系统 + 滚轮糊胶系统。
- 本机参数请参照 P4 页面参数。
- This machine can match with any current Flexo Printer machine in customer's factory to become inline Flexo Folder Gluer, greatly improve the production capacity, save labor cost and space.
- Down Folding Folder Gluer (Top-Loading Counter Ejector) match with Top printing Flexo Printer. Inline Control, the main operation function adopts data input or by Order Management for automatic adjusted.
- The Max. working speed is 350 sheets/min, huge capacity, save labor cost, and greatly improve the production capacity.
- This machine adopts 7 servo motors for control, fast speed, high accuracy, and easy to adjust.
- Inline Folder Gluer adopts TOP LOADING counter ejector, equipped with 2 groups of gluing system: USA VALCO gluing system + Wheel Gluing System.
- Please reference to P4 for the machine parameter.

技术参数 Technical Parameter

机型 Model	单位	0920	0924	1224	1228	1628
最高机械速度 Max. Speed	张 / 分钟 sheets/min	350	350	250	250	200
最大通纸规格 Max. Size (F×A)	mm	900×2100	900×2500	1200×2500	1200×2900	1600×2900
最小通纸规格 Min. Size 糊折箱部 Folder Gluer (F×A)	mm	280×760	280×760	310×760	310×760	400×780
最大规格 Max. Size (B+C)	mm	1030	1200	1200	1400	1400
最小规格 Min. Size 糊折箱部 (B+C)	mm	360	360	360	360	360
最大规格 Max. Size (B+D)	mm	1050	1050	1050	1050	1050

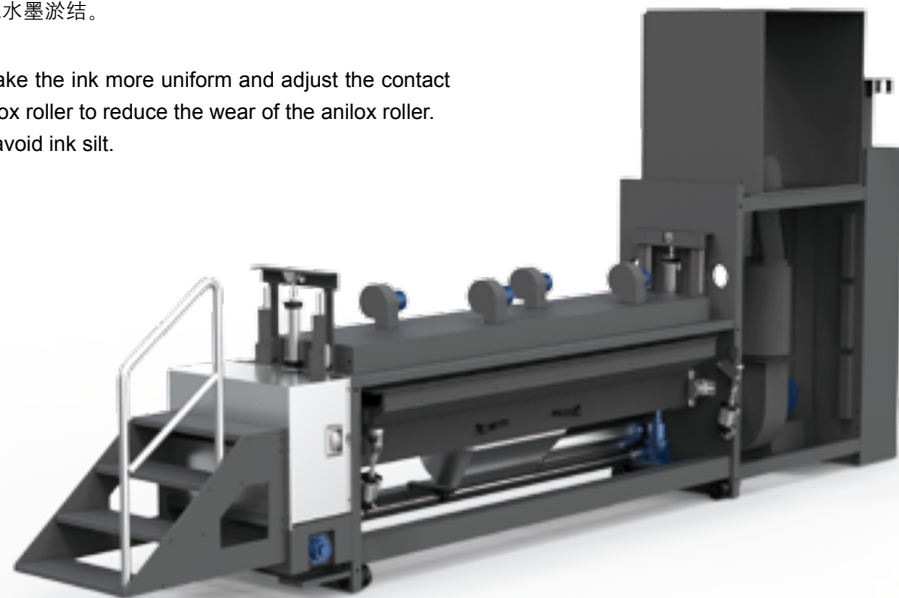


选购
OPTIONAL



刮刀系统 Doctor Blade System

- 采用油转气刮刀系统，让着墨更均匀，可调节刀片与网辊接触压力，已减少对网辊磨损。
- 刮刀腔内喷涂有“特氟龙”不沾层，避免水墨淤结。
- 快拆式刮刀密室方便保养更换刀片。
- Using the oil-to-air scraper system to make the ink more uniform and adjust the contact pressure between the blade and the anilox roller to reduce the wear of the anilox roller.
- Scraper cavity sprayed with "Teflon", to avoid ink silt.
- Quick-change blade, easy maintain.

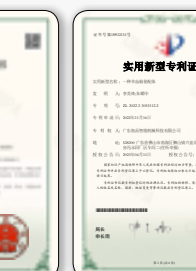


红外烘干部 IR Dry-well Unit

- 独立真空走纸机组，确保走纸精确。
- 采用 IR 干燥系统以加快速度，干燥系统能耗可根据机器的运转速度采用三种分段功率设置，从而降低能耗。
- 根据纸板的宽度，可分段控制红外线灯管，节约能源。
- Adopts Vacuum transfer to ensure the transfer accuracy.
- IR Dryer is equipped for more quick drying speed. Drying system consumption adopts three subsection controls, and can be adjusted according to the running speed of the machine, which can reduce energy consumption.
- The IR tube can be adjusted according to the width of cardboard to save energy consumption.



专注 全程吸附印刷机 高速糊折箱联动线



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